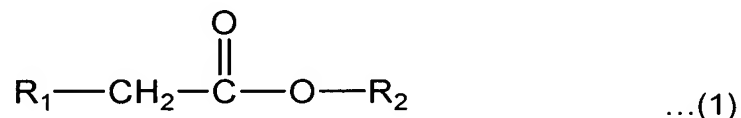


**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**LISTING OF CLAIMS:**

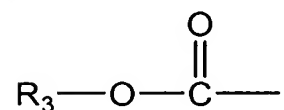
1. (Currently Amended) A non-aqueous electrolytic solution comprising:  
a lithium salt;  
at least one organic solvent selected from the group consisting of diethyleneglycol dimethylether ( $\text{CH}_3(\text{OCH}_2\text{CH}_2)_2\text{OCH}_3$ ), diethyleneglycol diethylether ( $\text{C}_2\text{H}_5(\text{OCH}_2\text{CH}_2)_2\text{OC}_2\text{H}_5$ ), triethyleneglycol dimethylether ( $\text{CH}_3(\text{OCH}_2\text{CH}_2)_3\text{OCH}_3$ ), triethyleneglycol diethylether ( $\text{C}_2\text{H}_5(\text{OCH}_2\text{CH}_2)_3\text{OC}_2\text{H}_5$ ), 1,3-dioxolane, 4,5-diethyl-dioxolane, 4,5-dimethyl-dioxolane, 4-methyl-1,3-dioxolane, and 4-ethyl-1,3-dioxolane; and  
at least one of compounds having formula (1) below:



wherein 0.1-5 parts by weight of the at least one of compounds having formula (1) is present with respect to 100 parts by weight of said organic solvent, and

where  $\text{R}_1$  is selected from the group consisting of a hydrogen atom, a halogen atom, a hydroxy group, a substituted or unsubstituted  $\text{C}_1\text{-C}_{20}$  alkyl group, a substituted or unsubstituted  $\text{C}_1\text{-C}_{20}$  alkoxy group, a substituted or unsubstituted  $\text{C}_1\text{-C}_{20}$  alkenyl group, a substituted or unsubstituted  $\text{C}_6\text{-C}_{30}$  aryl group, a substituted or

unsubstituted C<sub>6</sub>-C<sub>30</sub> aryloxy group, a substituted or unsubstituted C<sub>2</sub>-C<sub>30</sub> heteroaryl group, a substituted or unsubstituted C<sub>2</sub>-C<sub>30</sub> heteroaryloxy group, and

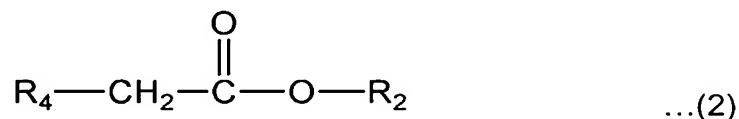


where R<sub>3</sub> is selected from the group consisting of a hydrogen atom, a halogen atom, a substituted or unsubstituted C<sub>1</sub>-C<sub>20</sub> alkyl group, a substituted or unsubstituted C<sub>1</sub>-C<sub>20</sub> alkenyl group, a substituted or unsubstituted C<sub>6</sub>-C<sub>30</sub> aryl group, and a substituted or unsubstituted C<sub>2</sub>-C<sub>30</sub> heteroaryl group;

and R<sub>2</sub> is selected from the group consisting of a hydrogen atom, a halogen atom, a substituted or unsubstituted C<sub>1</sub>-C<sub>20</sub> alkyl group, a substituted or unsubstituted C<sub>1</sub>-C<sub>20</sub> alkenyl group, a substituted or unsubstituted C<sub>6</sub>-C<sub>30</sub> aryl group, and a substituted or unsubstituted C<sub>2</sub>-C<sub>30</sub> heteroaryl group.

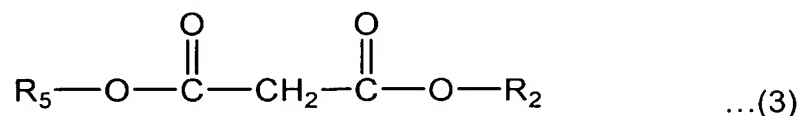
2. (Canceled).

3. (Original) The non-aqueous electrolytic solution of claim 1, wherein the at least one of the compounds of said formula (1) is one of a compound of formula (2) below, a compound of formula (3) below, and a mixture of the foregoing compounds:



where R<sub>4</sub> is selected from the group consisting of a hydrogen atom, a halogen atom, a hydroxy group, a substituted or unsubstituted C<sub>1</sub>-C<sub>20</sub> alkyl group, a substituted or

unsubstituted C<sub>1</sub>-C<sub>20</sub> alkoxy group, a substituted or unsubstituted C<sub>1</sub>-C<sub>20</sub> alkenyl group, a substituted or unsubstituted C<sub>6</sub>-C<sub>30</sub> aryl group, a substituted or unsubstituted C<sub>6</sub>-C<sub>30</sub> aryloxy group, a substituted or unsubstituted C<sub>2</sub>-C<sub>30</sub> heteroaryl group, and a substituted or unsubstituted C<sub>2</sub>-C<sub>30</sub> heteroaryloxy group; and R<sub>2</sub> is selected from the group consisting of a hydrogen atom, a halogen atom, a substituted or unsubstituted C<sub>1</sub>-C<sub>20</sub> alkyl group, a substituted or unsubstituted C<sub>1</sub>-C<sub>20</sub> alkenyl group, a substituted or unsubstituted C<sub>6</sub>-C<sub>30</sub> aryl group, and a substituted or unsubstituted C<sub>2</sub>-C<sub>30</sub> heteroaryl group, and



where R<sub>5</sub> is selected from the group consisting of a hydrogen atom, a halogen atom, a substituted or unsubstituted C<sub>1</sub>-C<sub>20</sub> alkyl group, a substituted or unsubstituted C<sub>1</sub>-C<sub>20</sub> alkenyl group, a substituted or unsubstituted C<sub>6</sub>-C<sub>30</sub> aryl group, and a substituted or unsubstituted C<sub>2</sub>-C<sub>30</sub> heteroaryl group; and R<sub>2</sub> is selected from the group consisting of a hydrogen atom, a halogen atom, a substituted or unsubstituted C<sub>1</sub>-C<sub>20</sub> alkyl group, a substituted or unsubstituted C<sub>1</sub>-C<sub>20</sub> alkenyl group, a substituted or unsubstituted C<sub>6</sub>-C<sub>30</sub> aryl group, and a substituted or unsubstituted C<sub>2</sub>-C<sub>30</sub> heteroaryl group.

4. (Original) The non-aqueous electrolytic solution of claim 3, wherein the compound of said formula (2) is one of dimethyl acetate, methylethyl acetate, methylbutyl acetate, diethyl acetate, ethylmethyl acetate, ethylbutyl acetate, dibutyl acetate, butylethyl acetate, and butylmethyl acetate.

5. (Original) The non-aqueous electrolytic solution of claim 3, wherein the compound of said formula (3) is one of dimethyl malonate, methylethyl malonate, methylbutyl malonate, diethyl malonate, ethylmethyl malonate, ethylbutyl malonate, dibutyl malonate, butylethyl malonate, and butylmethyl malonate.

6. (Canceled).

7. (Previously Presented) The non-aqueous electrolytic solution of claim 1, wherein the organic solvent is a polyglyme and is at least one selected from the group consisting of diethyleneglycol dimethylether ( $\text{CH}_3(\text{OCH}_2\text{CH}_2)_2\text{OCH}_3$ ), diethyleneglycol diethylether ( $\text{C}_2\text{H}_5(\text{OCH}_2\text{CH}_2)_2\text{OC}_2\text{H}_5$ ), triethyleneglycol dimethylether ( $\text{CH}_3(\text{OCH}_2\text{CH}_2)_3\text{OCH}_3$ ), and triethyleneglycol diethylether ( $\text{C}_2\text{H}_5(\text{OCH}_2\text{CH}_2)_3\text{OC}_2\text{H}_5$ ).

8. (Withdrawn) The non-aqueous electrolytic solution of claim 1, wherein the organic solvent is a dioxolane and is at least one selected from the group consisting of 1,3-dioxolane, 4,5-diethyl-dioxolane, 4,5-dimethyl-dioxolane, 4-methyl-1,3-dioxolane, and 4-ethyl-1,3-dioxolane.

9. (Canceled).

10. (Original) The non-aqueous electrolytic solution of claim 1, wherein the concentration of the lithium salt is in a range of 0.5-2.0M.

11. (Original) A lithium battery comprising:  
a cathode;  
an anode;  
a separator interposed between the cathode and the anode; and  
the non-aqueous electrolytic solution of claim 1.

12. (Original) The lithium battery of claim 11, wherein the cathode is made of at least one selected from the group consisting of a lithium composite oxide, a simple substance sulfur, kasolite containing dissolved  $\text{Li}_2\text{S}_n$  where  $n \geq 1$ , organo-sulfur, and a carbon-sulfur composite polymer expressed as  $(\text{C}_2\text{S}_x)_y$  where  $x$  ranges from 2.5 to 20 and  $y \geq 2$ .

13. (Original) The lithium battery of claim 11, wherein the anode is one of a lithium metal electrode, a lithium-metal alloy electrode, and a lithium-inert sulfur composite electrode.

14. (Currently Amended) A lithium battery comprising:  
a cathode;  
an anode;  
a separator interposed between the cathode and the anode; and  
the non-aqueous electrolytic solution of claim [2] 1.

15. (Original) A lithium battery comprising:  
a cathode;  
an anode;  
a separator interposed between the cathode and the anode; and  
the non-aqueous electrolytic solution of claim 3.

16. (Withdrawn) A lithium battery comprising:  
a cathode;  
an anode;  
a separator interposed between the cathode and the anode; and  
the non-aqueous electrolytic solution of claim 4.

17. (Original) A lithium battery comprising:  
a cathode;  
an anode;  
a separator interposed between the cathode and the anode; and  
the non-aqueous electrolytic solution of claim 5.

18. (Canceled).

19. (Original) A lithium battery comprising:  
a cathode;  
an anode;  
a separator interposed between the cathode and the anode; and

the non-aqueous electrolytic solution of claim 7.

20. (Withdrawn) A lithium battery comprising:

a cathode;

an anode;

a separator interposed between the cathode and the anode; and

the non-aqueous electrolytic solution of claim 8.

21. (Canceled).

22. (Original) A lithium battery comprising:

a cathode;

an anode;

a separator interposed between the cathode and the anode; and

the non-aqueous electrolytic solution of claim 10.

23. (New) The non-aqueous electrolytic solution of claim 1, wherein 0.1-1 part by weight of the at least one of compounds having formula (1) is present with respect to 100 parts by weight of said organic solvent.